

Patent Abstracts of Japan

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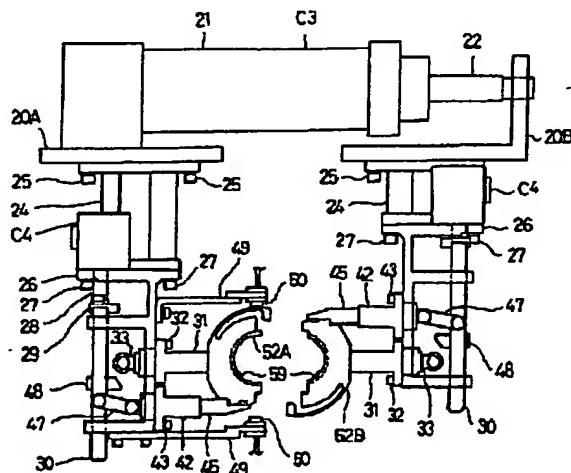
APPLICATION DATE : 12-02-93
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APPLICANT : TOYOTA MOTOR CORP;

INVENTOR : SUGISHIMA SAKAE;

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TITLE : MEASURING DEVICE FOR DYNAMIC
 BALANCE OF CRANKSHAFT



ABSTRACT : PURPOSE: To provide a measuring device for dynamic balance of a crankshaft that realizes automatic mounting/dismounting of a weight for improved workability.

CONSTITUTION: On split pieces of a weight 52A and 52B, an engagement claw and an angle part, possible to engage with each other, are formed. Between a supporting plates 20A and 20B, a weight attaching cylinder C3 is bridged. On the lower surfaces of the supporting plates 20A and 20B, upper side and lower side supporting frames 24 and 26 are fixed. At the upper side supporting frame 24, a weight grasping cylinder C4 is assigned. At the lower side supporting frame 26, a supporting cylinder 31 and a guide cylinder 42 are assigned. The supporting cylinder 31, thanks to a weight attaching cylinder C3, approaches/gets away from the crankshaft, and supports the split pieces of weight 52A and 52B, while they are removable. Within the guide cylinder 42, an engagement releasing piece 45, being allowed to slide, is assigned.

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